



Atty. Docket No. MIC35 P-333

CERTIFICATE OF MAILING

I hereby certify that this paper, together with all enclosures identified herein, are being deposited with the United States Postal Service as first class mail, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date indicated below.

January 26, 2004

Date

*Deborah A. Witvoet*  
Deborah A. Witvoet

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Claire Hartmann-Thompson  
Appln. No. : 10/694,027 (unofficial)  
Filing Date : October 27, 2003 (unofficial)  
For : FUNCTIONALIZED PARTICLES FOR COMPOSITE SENSORS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97(b)

Pursuant to 37 CFR §§1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached Form PTO-1449. This Information Disclosure Statement is being filed within three months of the filing date of the above-referenced application.

Copies of the listed foreign patent documents and the non-patent literature are attached.

As the Office has waived the requirement under 37 CFR §1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication, a copies of the listed U.S. patents and each U.S. patent application publication documents are not included with the submission of attached Form PTO 1449. Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitutes "prior art." If it should be determined that any of the listed documents do not

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constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 16-2463.

Respectfully submitted,

CLAIRE HARTMANN-THOMPSON

By: Price, Heneveld, Cooper,  
DeWitt & Litton, LLP

January 26, 2004

Date

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| FORM PTO-1449 U. S. DEPARTMENT OF COMMERCE<br>(Rev. 2-32) PATENT AND TRADEMARK OFFICE<br><br>INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br><br>(Use several sheets if necessary) |  |  |  |  |  |  |  | ATTY. DOCKET NO.<br>MIC35 P-333                 | SERIAL NO.<br>10/694,027<br>(unofficial) |
|  |  |  |  |  |  |  |  | APPLICANT Claire Hartmann-Thompson              |  |
| JAN 28 2004<br>   |  |  |  |  |  |  |  | FILING DATE<br>October 27, 2003<br>(unofficial) | GROUP                                    |

## U. S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER |   |   |   |   |   |   | DATE     | NAME          | CLASS | SUB-CLASS | FILING DATE IF APPROPRIATE |
|------------------|-----------------|---|---|---|---|---|---|----------|---------------|-------|-----------|----------------------------|
|                  | 6               | 6 | 0 | 3 | 1 | 9 | 2 | 08/05/03 | Thomas et al. |       |           |                            |
|                  | 6               | 3 | 1 | 5 | 9 | 5 | 6 | 11/13/01 | Foulger       |       |           |                            |
|                  | 5               | 9 | 3 | 2 | 2 | 3 | 1 | 08/03/99 | LeGrow et al. |       |           |                            |
|                  | 5               | 9 | 2 | 8 | 7 | 2 | 9 | 07/27/99 | Derosa        |       |           |                            |

## FOREIGN PATENT DOCUMENTS

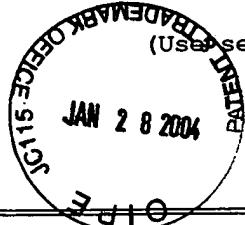
| EXAMINER INITIAL | DOCUMENT NUMBER |   |   |   |   |   |   | DATE     | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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|                  |                 |   |   |   |   |   |   |          |         |       |           | Y N         |
|                  | JP2003          | 1 | 6 | 6 | 1 | 7 | 0 | 06/13/03 | Japan   |       |           | X Abst only |
|                  | JP2003          | 0 | 1 | 2 | 9 | 3 | 8 | 01/15/03 | Japan   |       |           | X Abst only |
|                  | JP2001          | 1 | 1 | 6 | 6 | 8 | 6 | 04/27/01 | Japan   |       |           | X Abst only |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|                  |  |                 |
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| EXAMINER INITIAL |  |                 |
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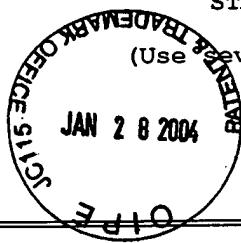
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|                  |                                 |      |         |       |           |             |
|                  | WO 02/ 0 9 9 8 2 2 12/12/02 PCT |      |         |       |           | X Y N       |
|                  | WO 01/ 0 8 8 0 4 2 11/22/01 PCT |      |         |       |           | X           |
|                  | WO 92/ 0 1 0 5 2 8 06/25/92 PCT |      |         |       |           | X Abst only |

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|   | US 2003/0162987 A1, Houser et al., August 28, 2003, 11 pages.      |  |
|   | US 2003/0156290 A1, Colvin, Jr. et al., August 21, 2003, 11 pages. |  |
|   | US 2002/0131898 A1, Fleischer et al., September 19, 2002, 7 pages. |  |
|   | US 2002/0065349 A1, Manoharan, May 30, 2002, 11 pages.             |  |
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(Form PTO-1449 [6-4])

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|                  |  | "Luminescence Quenching in Polymer/Filler Nanocomposite Films Used in Oxygen Sensors," Lu, X., and Winnik, M. A., <i>Chem. Mater.</i> 2001, 13, pp. 3449-3463.                          |
|                  |  | "Template Synthesis and Characterization of Layered Al- and Mg-Silsesquioxanes," Ukrainczyk, L., Bellman, R. A., and Anderson, A. B., <i>J. Phys. Chem. B</i> , 1997, 101, pp. 531-539. |
|                  |  | "X-ray Characteristics of Polyethylene Polyhedral Oligomeric Silsesquioxane Copolymers," <i>Macromolecules</i> 2002, 35, pp. 2375-2379.   |

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|                  |  | "A Novel Metallocopolymer Nanocomposite Chemical Sensor," Lou Jianzhong; Ariarugirl, Girish; Sankar, Jag. <i>Polymeric Materials Science and Engineering</i> (2003), 89 655, CODEN: PMSEDG ISSN: 0743-0515, Abstract only, one page.                                       |
|                  |  | "A Novel Metallocopolymer Nanocomposite Chemical Sensor," Lou Jianzhong; Ariarugirl, Girish; Sankar, Jag. <i>Abstracts of Papers</i> , 226 <sup>th</sup> ACS National Meeting, New York NY, United States, September 7-11, 2003 (2003), PMSE-392, Abstract only, one page. |
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